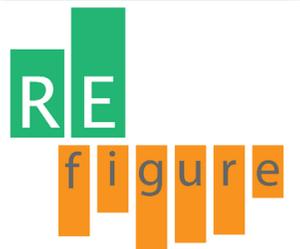# Overcoming the discoverability crisis

Organizers: Peter Kraker, Girija Goyal, James Akin, and Maxi Schramm

Open Publishing Fest
27 May 2020, 10:00-12:00 EDT (=16:00-18:00 CEST, 21:00-23:00 WIB)

Today's agenda

1. Discovery practices and workflows
\w inputs from ReFigure and AfricArxiv

2. Open discovery infrastructures and tools
\w inputs from OpenAIRE, ContentMine, ReFigure & OKMaps, CyVerse Austria, Lever Press & Michigan Publishing

3. Systemic issues of discoverability

Definition of discovery

With the term discovery we mean **the capacity to explore, find, access, and reuse material** such as literature, data, projects, profiles etc. **that you would need for your own research work** (such as finding relevant papers, which will help with your research, or finding a person you are interested in collaborating with).

(Working definition, TRIPLE project)

SARA GIRONI CARNEVALE

Scientists are drowning in COVID-19 papers. Can new tools keep them afloat?

Uncitedness (publications):
7% - 63% (Nicolaisen & Frandsen 2019)

Uncitedness (data):
85% (Peters et al. 2016)

Transfer to practice (medicine):
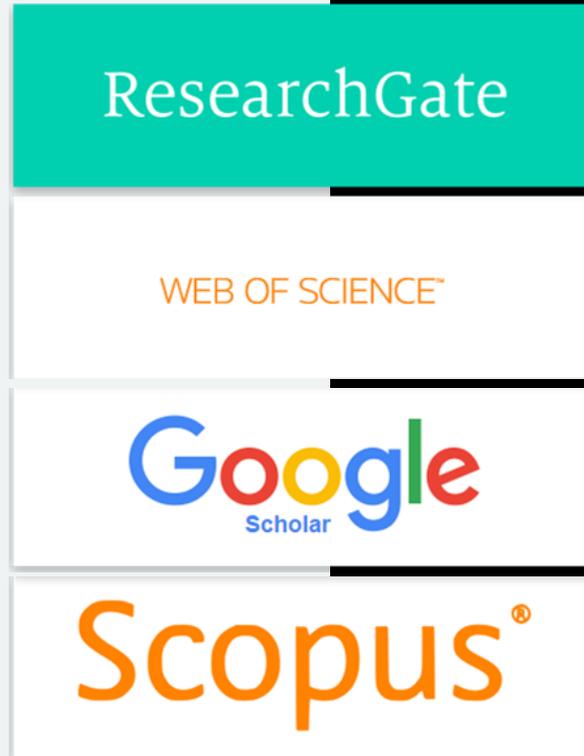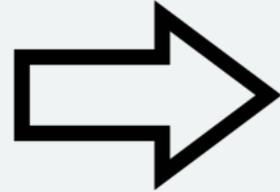**14%, taking 17 years** (Balas 1998)

Dark Knowledge

(Jeschke et al.)

There is a discoverability crisis that negatively impacts quality & efficiency of science, and its transfer to practice.
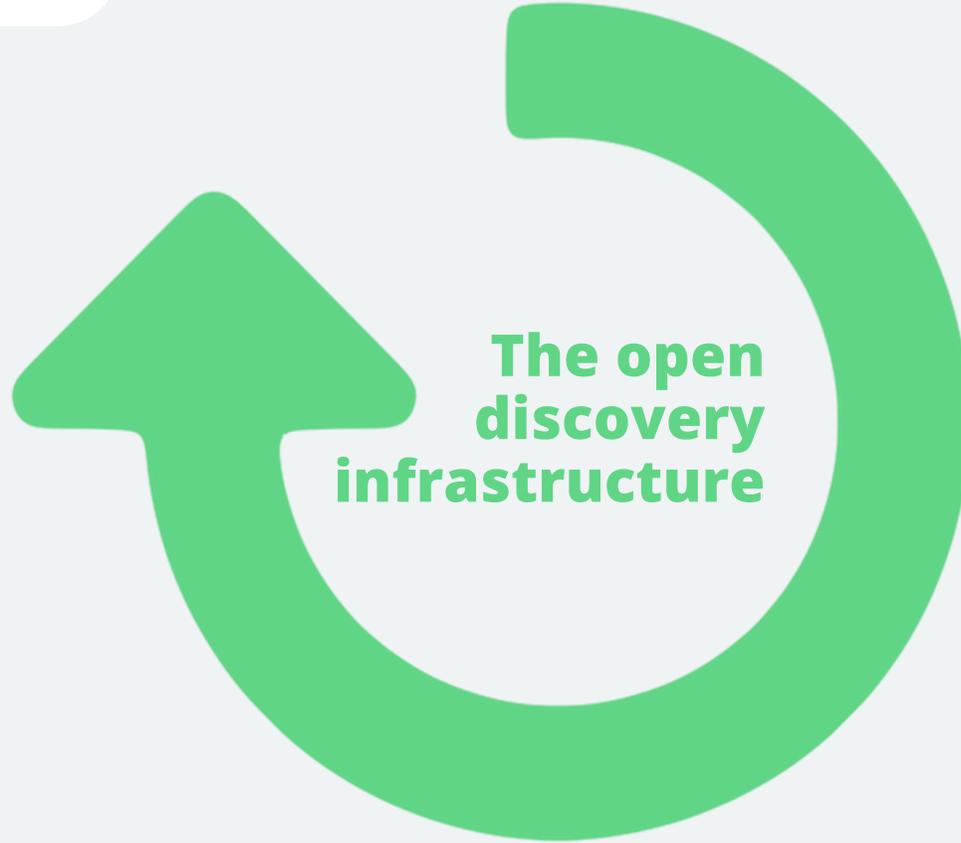
Google Scholar

covid-19

Articles About 210.000 results (0,03 sec)

Any time
Since 2020
Since 2019
Since 2016
Custom range...

Sort by relevance
Sort by date

☑ include patents
☑ include citations

✉ Create alert

COVID-19: consider cytokine storm syndromes and immunosuppression

P Mehta, DF McAuley, M Brown, E Sanchez... - The Lancet, 2020 - thelancet.com

As of March 12, 2020, coronavirus disease 2019 (**COVID**-**19**) has been con firmed in 125 048 people worldwide, carrying a mortality of approximately 3· 7%, 1 compared with a mortality rate of less than 1% from influenza. There is an urgent need for effective treatment ...

☆ 🗩 Cited by 586 All 6 versions

Presumed asymptomatic carrier transmission of COVID-19

Y Bai, L Yao, T Wei, F Tian, DY Jin, L Chen, M Wang - Jama, 2020 - jamanetwork.com

Methods| In January 2020, we enrolled a familial cluster of 5 patients with fever and respiratory symptoms who were admitted to the Fifth People's Hospital of Anyang, Anyang, China, and 1 asymptomatic family member. This study was approved by the local ...

☆ 🗩 Cited by 693 All 5 versions

COVID-19 and Italy: what next?

A Remuzzi, G Remuzzi - The Lancet, 2020 - Elsevier

The spread of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) has already taken on pandemic proportions, affecting over 100 countries in a matter of weeks. A global response to prepare health systems worldwide is imperative. Although containment ...

☆ 🗩 Cited by 476 All 35 versions

An interactive web-based dashboard to track **COVID-19** in real time

E Dong, H Du, L Gardner - The Lancet infectious diseases, 2020 - thelancet.com

In December, 2019, a local outbreak of pneumonia of initially unknown cause was detected in Wuhan (Hubei, China), and was quickly determined to be caused by a novel coronavirus, 1 namely severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The outbreak ...

☆ 🗩 Cited by 572 All 7 versions

Gooooooooogle >

Institutions

Researchers

Publishers

ResearchGate

WEB OF SCIENCE™

Google Scholar

Scopus®

WALL OF DARK KNOWLEDGE

The cycle of continuous innovation

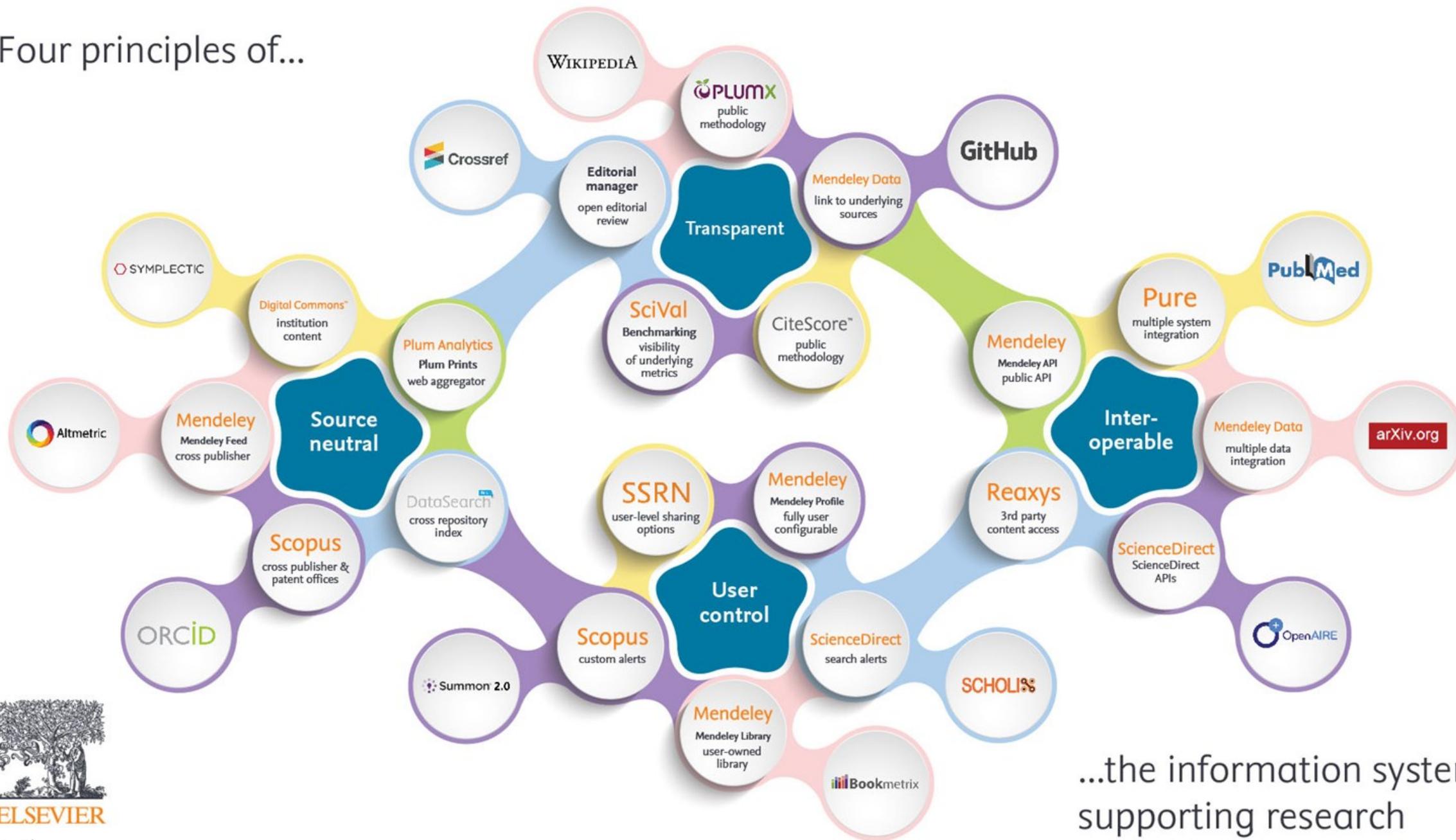Institutions, Researchers, Publishers

The open discovery infrastructure

Value added services

Libraries, Archives, Repositories, Aggregators

Meta aggregators

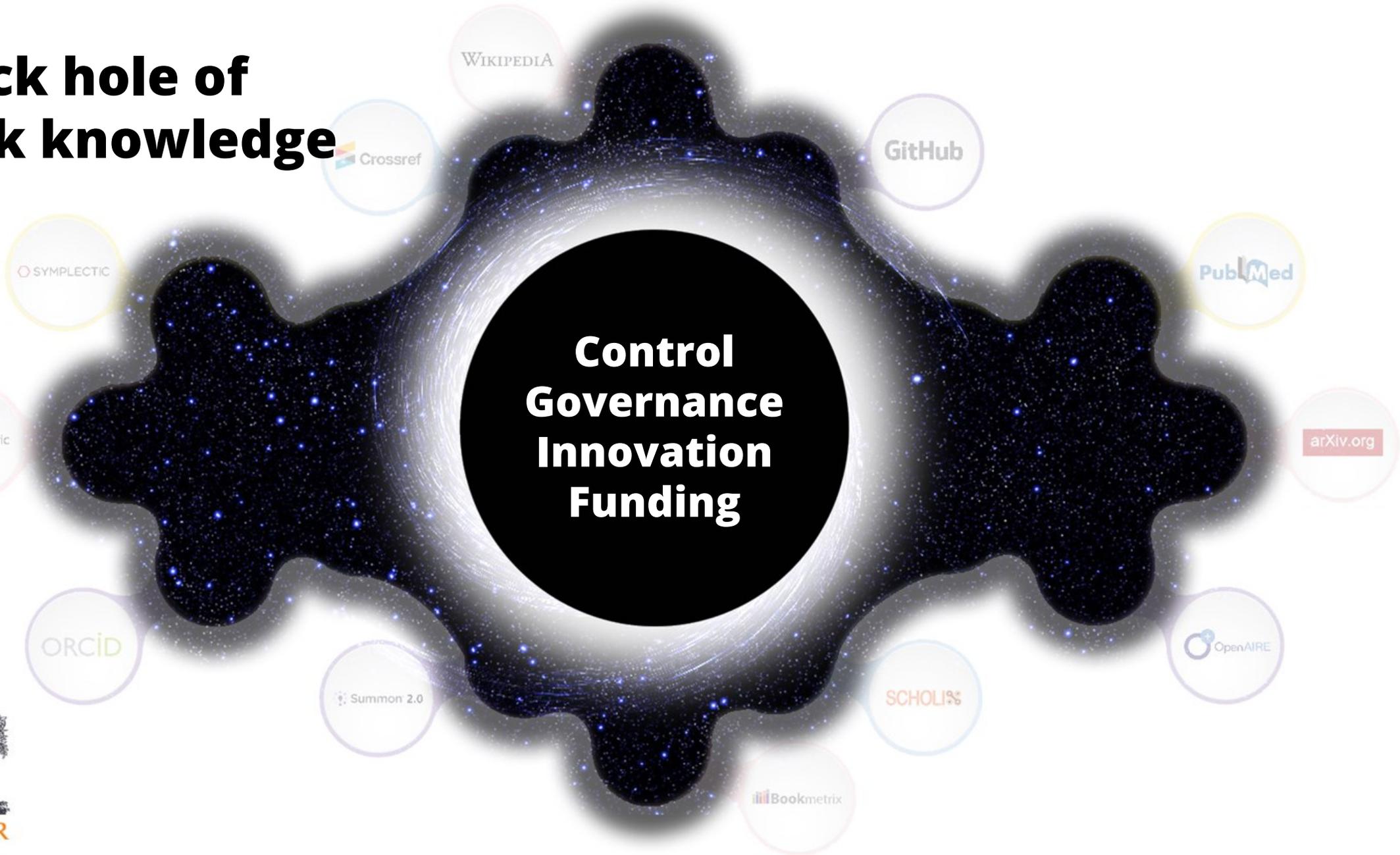Four principles of…

…the information system supporting research

© Elsevier

Black hole of dark knowledge

Let's make the open infrastructure sustainable!

\#DontLeaveItTo**Google**
\#DontLeaveItTo**SpringerNature**
\#DontLeaveItTo**Elsevier**

SCOSS

Global Sustainability Coalition for Open Science Services

Invest in Open Infrastructure

An effort to enable durable, scalable, and long lasting open scientific and scholarly infrastructure to emerge, thrive, and deliver its benefits on a global scale.

The 2.5% Commitment

David W. Lewis
Dean of the IUPUI University Library
dlewis@iupui.edu

Thank you for your attention!

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contactrefigure@gmail.com